



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Raynor Garage Doors
1101 East River Road, P.O. Box 448
Dixon, IL 61021

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: SteelForm Sectional Garage Door up to 12'-2" Wide

APPROVAL DOCUMENT: Drawing No. P-3310, titled "Spec. Wind Load SteelForm Standard 24 Gauge and 20 Gauge", sheets 1 through 3 of 3, dated 03/07/2008, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 13-0829.12 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
11/09/2015

NOA No. 15-0714.06
Expiration Date: November 6, 2018
Approval Date: November 19, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **P-3310**, titled "Spec. Wind Load SteelForm Standard 24 Gauge and 20 Gauge", sheets 1 through 3 of 3, dated 03/07/2008, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E.

B. TESTS *"Submitted under NOA # 10-0420.03"*

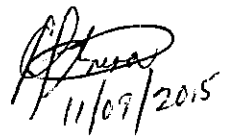
1. Test report on Forced Entry Resistance Test, per FBC 2411 3.2.1, TAS 202-94 of two 16'x 7' Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0706-10**, dated 08/10/2010, signed and sealed by Vinu J. Abraham, P.E.

"Submitted under NOA # 08-0709.07"

2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of a 12'x 8' SteelForm Sectional Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0305-08**, dated 04/14/2008, signed and sealed by Vinu J. Abraham, P.E.
3. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. **0313Q**, dated 04/25/2008, signed and sealed by Ramesh Patel, P.E.
4. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wendler Engineering Services, Inc., dated 09/25/2008, signed and sealed by Richard A. Baumann, P.E.

C. CALCULATIONS *"Submitted under NOA # 08-0709.07"*

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 05/16/2008, signed and sealed by Richard A. Baumann, P.E.
2. Jamb attachment to steel angle calculations, prepared by Wendler Engineering Services, Inc., dated 09/26/2008, signed and sealed by Richard A. Baumann, P.E.



11/09/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0714.06

Expiration Date: November 6, 2018
Approval Date: November 19, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Test report on Surface Burning Characteristics, per ASTM E84 of Type IX EPS, Report No. **3147467SAT-001**, prepared by Intertek Testing Services, NA, Inc., dated 04/10/2008, signed by Chris Bowness, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929 of Type IX EPS, prepared by Intertek Testing Services, NA, Test Report No. **3147467SAT-002**, dated 05/26/2006, signed by Chris Bowness, P.E.
3. Notice of Acceptance No. **11-0926.07**, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 11/10/2011, and expiring on 01/11/2017.

F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC and of no financial interest issued by Wendler Engineering Services, Inc., dated 09/09/2015, signed and sealed by Richard A. Baumann, P.E.

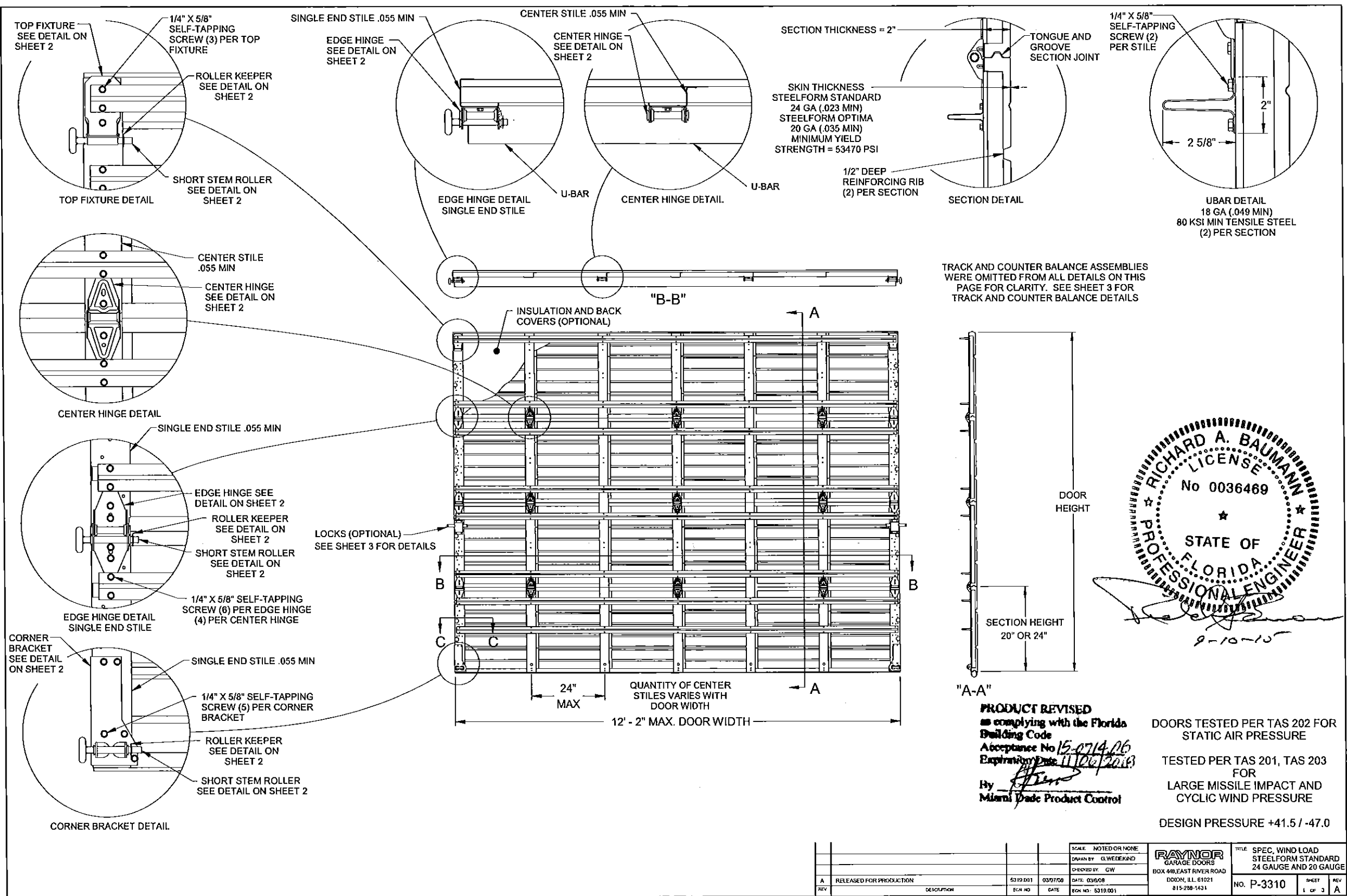
"Submitted under NOA # 13-0829.12"
2. Statement letter of code conformance to 2010 FBC, issued by Wendler Engineering Services, Inc., dated 08/26/2013, signed and sealed by Richard A. Baumann, P.E.

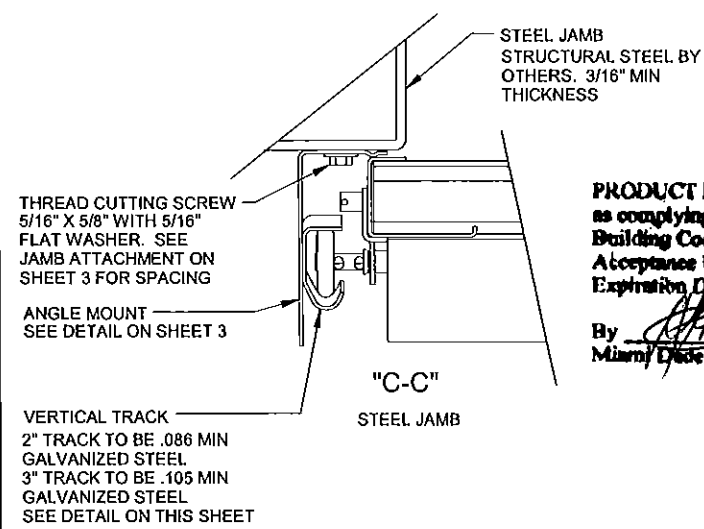
"Submitted under NOA # 08-0709.07"
3. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 05/19/2008, signed and sealed by Richard A. Baumann, P.E.



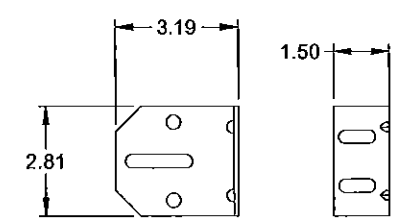
11/07/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0714.06
Expiration Date: November 6, 2018
Approval Date: November 19, 2015

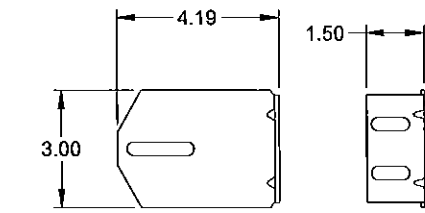




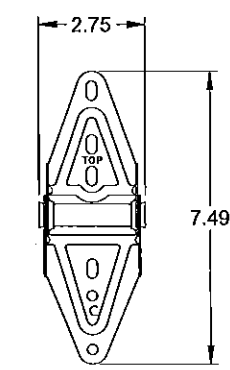
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0714-05
 Expiration Date 11/06/2013
 By *[Signature]*
 Miami Code Product Control



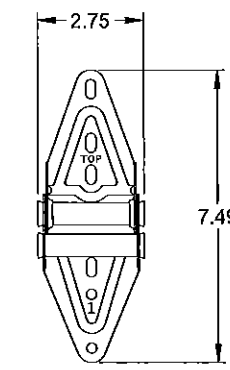
SCALE 1:2
 3" TRACK BRACKET
 .116 GALV. STEEL



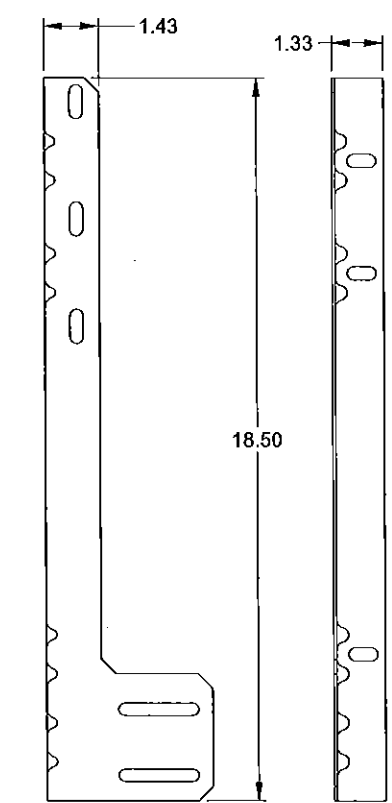
SCALE 1:2
 4" TRACK BRACKET
 .116 GALV. STEEL



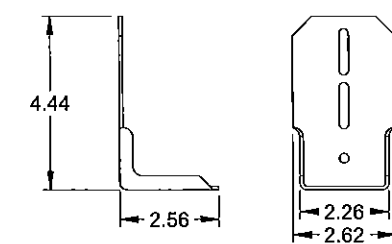
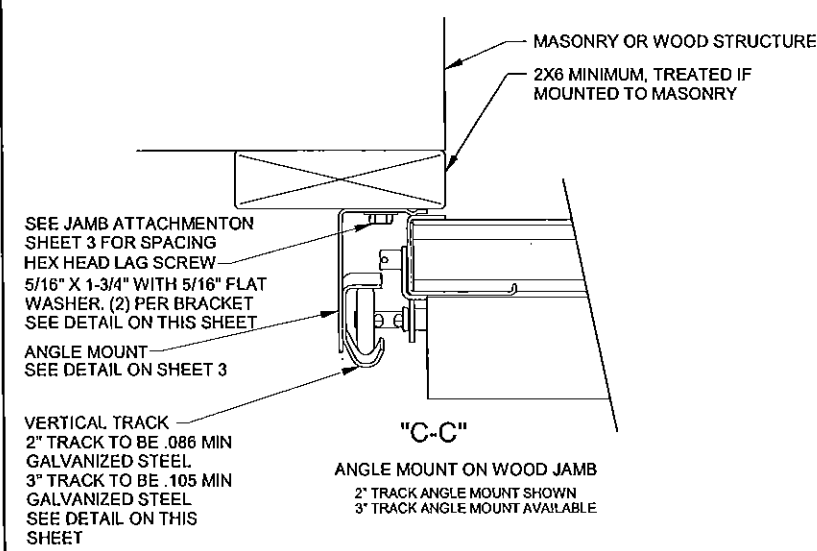
SCALE 1:2
 CENTER HINGE
 .045 GALV. STEEL



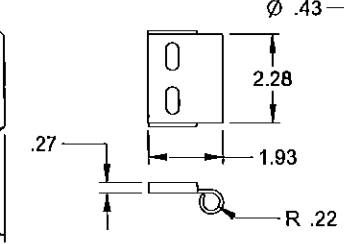
SCALE 1:2
 EDGE HINGE
 .086 GALV. STEEL



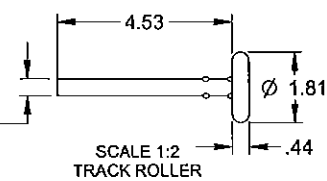
SCALE 1:2
 JAMB ANGLE
 .078 GALV. STEEL



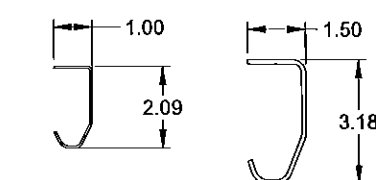
TOP FIXTURE
 .086 GALV. STEEL



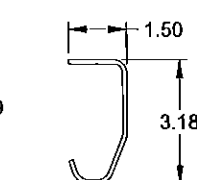
ROLLER CARRIER
 .086 GALV. STEEL
 ATTACHED TO TOP FIXTURE WITH
 (2) TRACK BOLTS AND WHIZ NUTS



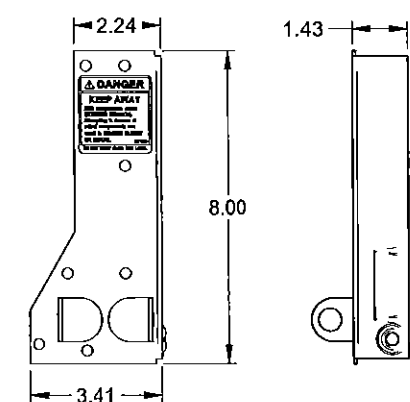
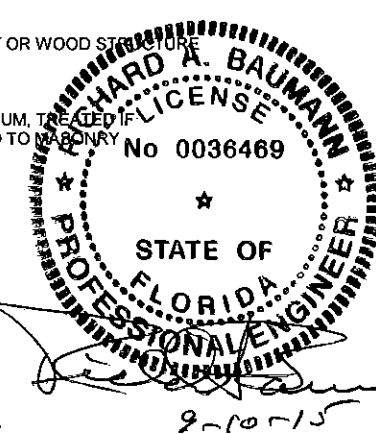
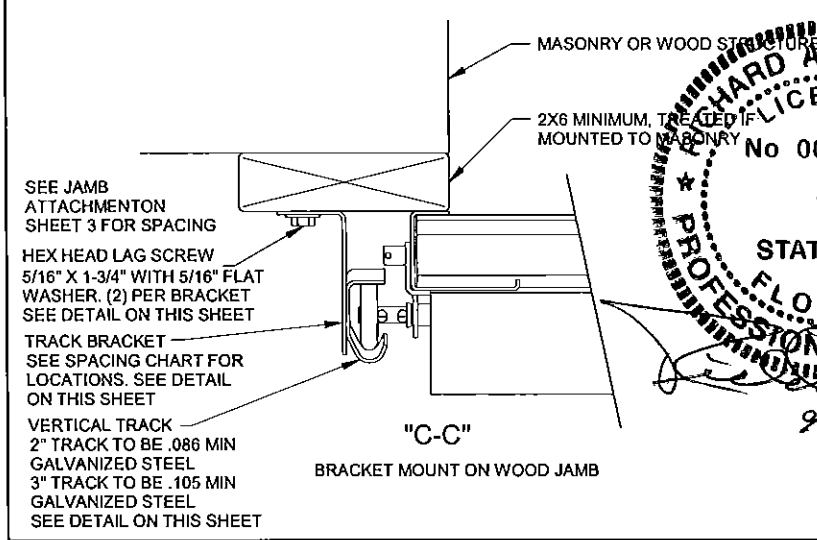
SCALE 1:2
 TRACK ROLLER



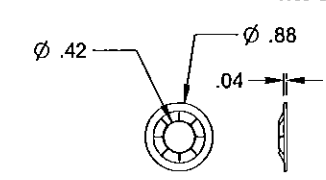
SCALE 1:2
 2" TRACK
 .086 GALV. STEEL



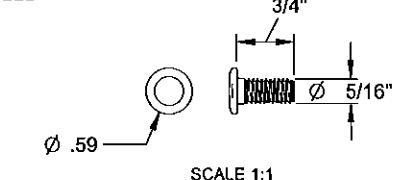
SCALE 1:2
 3" TRACK (OPTIONAL)
 .105 GALV. STEEL



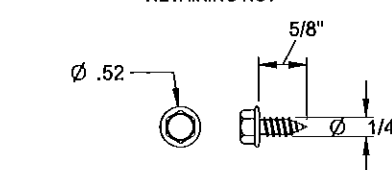
SCALE 1:2
 CORNER BRACKET
 .086 GALV. STEEL



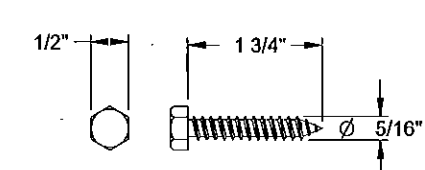
SCALE 1:1
 RETAINING NUT



SCALE 1:1
 TRACK BOLT

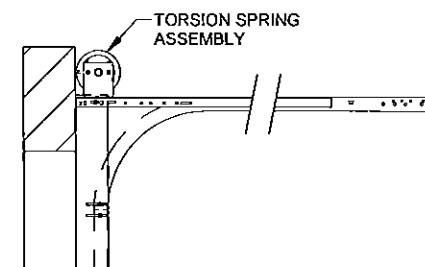


SCALE 1:1
 SHEET METAL SCREW

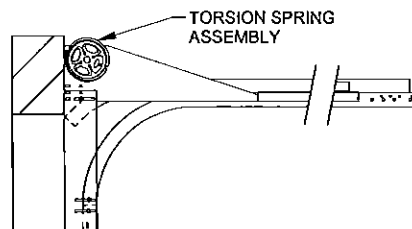


SCALE 1:1
 HEX HEAD LAG SCREW

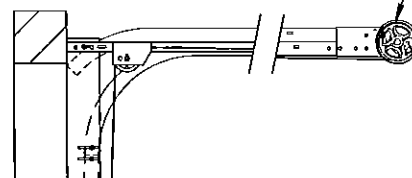
SCALE: NOTED OR NONE				TITLE: SPEC. WIND LOAD STEEL FORM STANDARD 24 GAUGE AND 20 GAUGE			
DRAWN BY: Q. WEDERKIND				RAYNOR GARAGE DOORS			
CHECKED BY: GW				BOX 448, EAST RIVER ROAD			
DATE: 03/08				DIXON, ILL. 61021			
EON NO: 6319.001				815-288-1431			
REV	DESCRIPTION	EON NO	DATE	NO. P-3310			
				SHEET 2 OF 3			
				REV A			



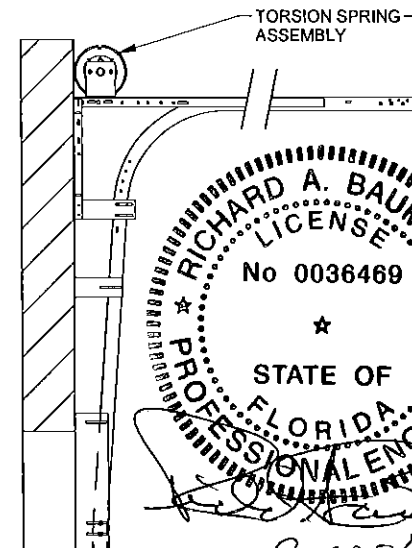
NORMAL HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



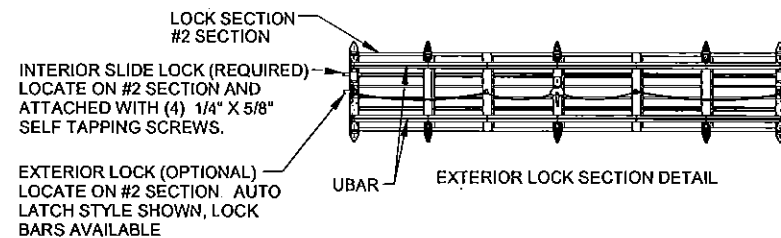
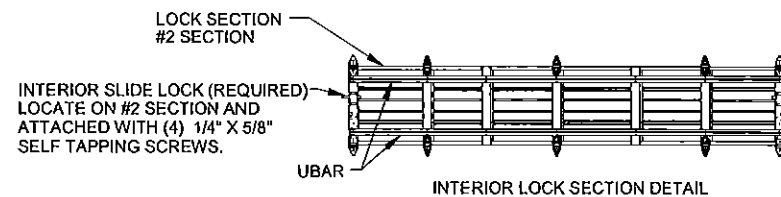
FRONT MOUNT LOW HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



REAR MOUNT LOW HEADROOM TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



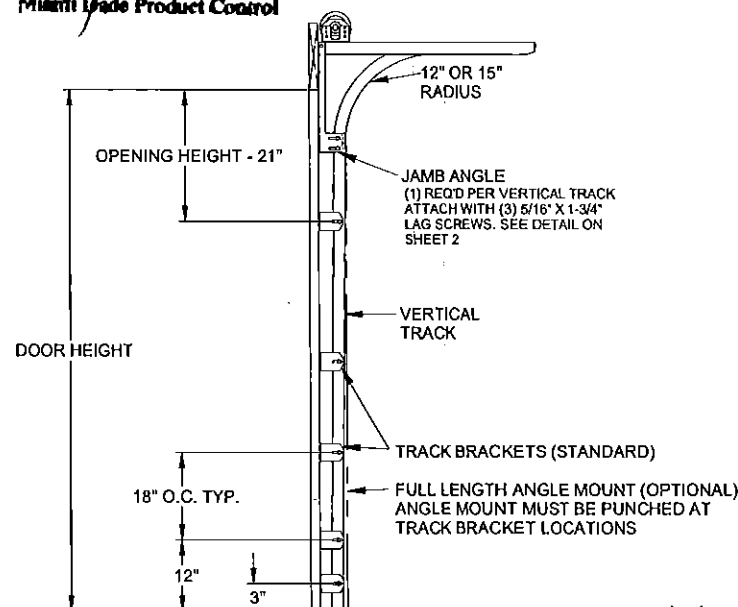
LIFT CLEARANCE TRACK
2" TRACK ANGLE MOUNT SHOWN
3" TRACK ANGLE MOUNT AVAILABLE



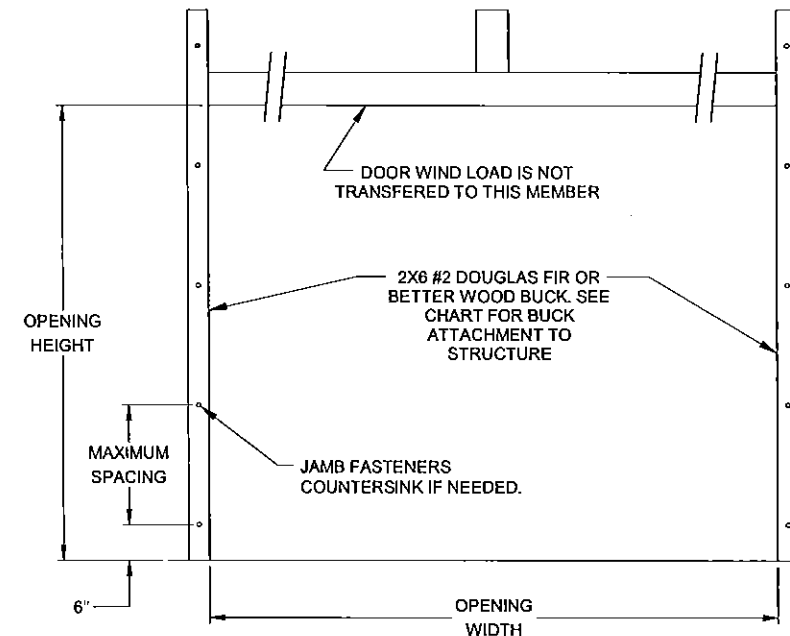
JAMB ATTACHMENT NOTES

1. 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
2. 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER
3. MAXIMUM POSITIVE LOAD PER JAMB = $(12'-2" \times 41.5 \text{ PSF}) / 2 = 252 \text{ LBS PER FOOT}$
4. MAXIMUM NEGATIVE LOAD PER JAMB = $(12'-2" \times 47.0 \text{ PSF}) / 2 = 286 \text{ LBS PER FOOT}$
5. DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0714-06
Expiration Date 11/30/2016
By [Signature]
Miami Trade Product Control



TYPICAL TRACK INSTALLATION



JAMB ATTACHMENT

1/4" ITW BUILDEX TAPCON				
JAMB TYPE	EMBEDMENT	EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
HOLLOW BLOCK	1-1/4"	1"	117	5-1/2"
2000 PSI CONCRETE	1-3/4"	2-1/2"	508	24"
3000 PSI CONCRETE	1-3/4"	1"	510	24-1/4"
5/16" ITW BUILDEX TAPCON				
3000 PSI CONCRETE	1-3/4"	2 3/16"	563	26-3/4"
POWER ANCHOR - 3/8" WEDGE ANCHOR				
2000 PSI CONCRETE	1-5/8"	1-7/8"	360	17"
	3"	1-7/8"	768	36"
5/16" LAG SCREW				
SPRUCE, PINE, FIR (G = .42)	1-1/2"	1-3/4"	307	14-1/2"
DOUGLAS FIR (G = .49)	1-1/2"	1-3/4"	387	18"
SOUTHERN YELLOW PINE (G = .55)	1-1/2"	1-3/4"	460	21-7/8"
3/8" LAG SCREW				
SPRUCE, PINE, FIR (G = .42)	1-1/2"	1-3/4"	352	16-3/4"
DOUGLAS FIR (G = .49)	1-1/2"	1-3/4"	444	21"
SOUTHERN YELLOW PINE (G = .55)	1-1/2"	1-3/4"	528	25"
5/16 X 5/8 THREAD CUTTING SCREW				
STEEL A 36	3/16"	1/2"	1048	36"

SCALE	NOTED OR NONE	RAYNOR GARAGE DOORS BOX 448, EAST RIVER ROAD DIXON, ILL. 61021 815-288-1431	TITLE: SPEC. WIND LOAD STEEL FORM STANDARD 24 GAUGE AND 20 GAUGE NO. P-3310	SHEET 3 OF 3	REV A
DESIGNED BY	G. WEDERKIND				
CHECKED BY	GW				
DATE	03/09/08				
REV	DESCRIPTION	EQN NO.	DATE	EQN NO.	5319.001